SN 10/760541

AN 1989:97204 CAPLUS
DN 110:97204
ED Entered STN: 17 Mar 1989
TI Properties of thin lubricant coatings based on soluble fluoroplastics and polyorganosiloxanes
AU Zaichenko, L. P.; Tochil'nikov, D. G.; Rossinskii, N. A.
CS Tekhnol. Inst. im. Lensoveta, Leningrad, USSR
SO Trenie i Iznos (1988), 9(5), 886-90
CODEN: TRIZD6; ISSN: 0202-4977
DT Journal
LA Russian
CC 42-4 (Coatings, Inks, and Related Products)
Section cross-reference(s): 38
AB Friction coeffs. and wear rates were determined for **cast** iron and alloyed steel friction pairs protected with a fluoropolymer-epoxy resin-siloxane antifriction coatings with thickness 1-5 μm. The performance of coatings containing Florolan-epoxy lacquer LFE-42 LG or LFE-32 LNKh and MePh siloxane lacquer KO-945 under 10MPa load at 200 ± 5° for **cast** iron and 5 MPa load without heating for steel was satisfactory.
ST fluoropolymer epoxy siloxane antifriction coating; lubricant fluoropolymer epoxy siloxane coating; friction fluoropolymer epoxy siloxane coating; wear fluoropolymer epoxy siloxane coating
IT Lubricants
(solid, coatings, epoxy resin-fluoropolymer-siloxane, friction and wear of)
IT **12742-30-2** 37360-55-7, SCh24-44
RL: PROC (Process)
(friction and wear of, against epoxy resin-fluoropolymer-siloxane antifriction coatings)

L11 ANSWER 43 OF 71 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:477565 CAPLUS
DN 109:77565
ED Entered STN: 02 Sep 1988
TI Steel for **castings** of high strength and toughness
IN Vocel, Milan; Tvrdy, Miroslav; Zampach, Jaromir
PA Czech.
SO Czech., 5 pp.
CODEN: CZXXA9
DT Patent
LA Czech
IC ICM C22C038-44
CC 55-3 (Ferrous Metals and Alloys)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CS 244160	B1	19860717	CS 1984-4981	19840628
PRAI CS 1984-4981		19840628		

AB The steel contains C 0.25-0.50, Mn 1.0-1.8, Si 0.3-1.0, Cr 0.5-1.5, Mo 0.1-0.5, Ni 0.05-1.0, W 0.05-0.5, Al 0.03-0.1, Ti 0.01-0.15, and V and/or Cu 0.05-0.3. Thus, wear-resistant excavator parts were made from **cast** steel containing C 0.25, Mn 1.47, Si 0.35, Cr 0.64, Mo 0.26, Al 0.09, P 0.023, S 0.024, Ni 0.45, W 0.1, and V 0.08%. After water quenching from 880° and low temperature tempering, the steel had a tensile strength of 1500-1650 MPa and notched impact toughness of 30-40 J/cm2.
ST **cast** steel strength toughness; excavator **cast** steel wear
IT Abrasion-resistant materials
(steel, **cast** , of high strength and toughness)
IT **Cast** metals and alloys
RL: PRP (Properties)
(steel, toughness and strength of, for wear-resistant machine parts)
IT **115640-25-0** 115674-05-0 115674-06-1
RL: USES (Uses)
(**cast** , toughness and strength of, for wear-resistant machine parts)

L11 ANSWER 44 OF 71 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1987:538379 CAPLUS
DN 107:138379
ED Entered STN: 17 Oct 1987
TI High-strength abrasion-resistant steels under conditions of intensive wear